

**Transaction Redirection Mechanism For
Handling Late Specification Changes And Design Errors**

Abstract of the Disclosure

5 Redefined hardware structured transactions and the associated responses in a data
processing device are made user programmable. Three registers, a identifier register, a mask
register and a response register, are used to redirect transactions or other operations within an
application specific integrated circuit after post-silicon testing has been completed and there is
no opportunity to redirect the hardware logic contained therein. When enabled, the registers
allow for the insertion of blank table entries that can be programmed at a later time to handle
unexpected output responses which occur due to unforeseen problems in the preprogrammed
operation of the device. Transaction redirection can be accomplished on selected fields of
identified transactions. The method is applicable to any hardware device in which it is desired
to redirect actions originally defined in look-up tables when such tables are not capable of
adjustment or alteration without redesign or re-manufacture.